

**Current Listing of the Claims:**

1. (Currently Amended) A method for Cystic Fibrosis (CF) disease assessment in an individual, the method comprising: (a) detecting the presence or absence of a *Pseudomonas aeruginosa* outer membrane protein E (OprF) in a sample from an individual; (b) making a determination of whether a mucous lining in an airway of the individual is ~~substantially~~ anaerobic, and (c) assessing the disease of the individual accordingly.
2. (Original) The method according to claim 1, wherein the sample comprises airway surface liquid, sputa or combinations thereof.
3. (Withdrawn) A method for Cystic Fibrosis (CF) disease assessment in an individual, comprising detecting the presence or absence of outer membrane protein (OprF) antibodies in a sample from an individual.
4. (Withdrawn) The method according to claim 1, wherein the sample comprises blood, tissue, body fluids, or combinations thereof.
5. (Withdrawn) A method for treating anaerobic *Pseudomonas aeruginosa* biofilms in Cystic Fibrosis (CF) disease in an individual, comprising the steps of:
  - a. detecting the presence of outer membrane protein (OprF) in a sample from an individual; and
  - b. selecting a therapy regimen for the individual based on the presence of OprF; wherein the anaerobic *Pseudomonas aeruginosa* biofilms in Cystic Fibrosis disease are treated by the therapy regimen.
6. (Withdrawn) The method according to claim 5, wherein the sample comprises airway surface liquid, sputa, or combinations thereof.
7. (Withdrawn) A method for treating anaerobic *Pseudomonas aeruginosa* biofilms in Cystic Fibrosis (CF) disease in an individual, comprising the steps of:
  - a. detecting the presence of outer membrane protein (OprF) antibodies in a sample from an individual ; and

- b. selecting a therapy regimen for the individual base on the presence of OprF antibodies;  
wherein the anaerobic *Pseudomonas aeruginosa* biofilms in Cystic Fibrosis disease are treated by the therapy regimen.
- 8. (Withdrawn) The method according to claim 5, wherein the sample comprises blood, tissue, body fluids, or combinations thereof.
- 9. (Previously presented) The method according to claim 1, wherein detecting comprises detecting an up-regulated expression of OprF.
- 10. (Withdrawn) The method according to claim 1, wherein detecting comprises detecting at least one antibody of a *Pseudomonas aeruginosa* OprF.